

# ADSL LINE TRANSFORMER

## FEATURES

- Matched to Globespan G24 ADSL+ Chipset with Elantec Line Drivers
- Compact SMD footprint

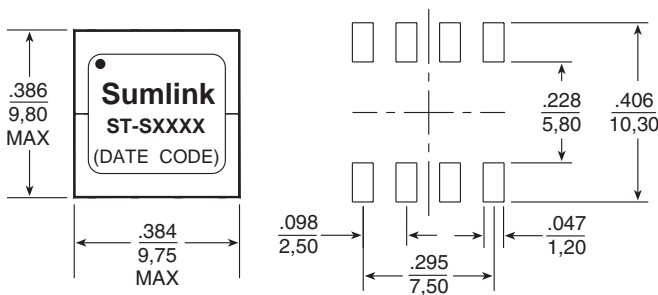


Electrical Specifications @ 25°C — Operating Temperature -40°C to 85°C

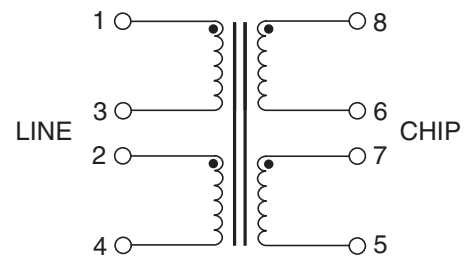
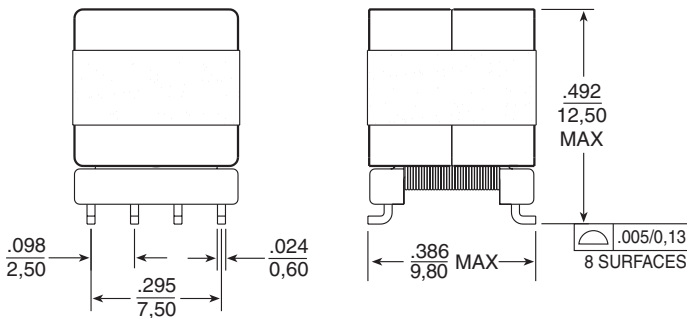
| Part Number | Turns Ratio Ratio (Line:Chip) | OCL Primary ( $\mu\text{H} \pm 7\%$ ) | Leakage Inductance ( $\mu\text{H} \text{ MAX}$ ) | Interwinding Capacitance (pF MAX) | Isolation Voltage (Vrms) | THD @ 25kHz, 5Vrms (dB MIN) |
|-------------|-------------------------------|---------------------------------------|--|-----------------------------------|--------------------------|-----------------------------|
| ST-S2514    | 0.95 : 1                      | 750                                   | 7.5 - 10.5                                       | 20                                | 1500                     | -80                         |
| ST-S2483    | 0.90 : 1                      | 1000                                  | 7.0 - 10.5                                       | 15                                | 1500                     | -78                         |

## Mechanical

## Schematic



SUGGESTED PAD LAYOUT



Dimensions:  $\frac{\text{Inches}}{\text{mm}}$   
 Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0,25}$